Abstract of Disclosure

[0087] The present invention relates to an improvement of a total internal reflection lens whereby a tilted symmetry axis leads to a net deflection of the output beam away from the surface normal of the exit surface. Linear TIR lenses have a net deflection transverse to their focal strip. Circular TIR lens profiles going beyond 90°are tilted to bring the rim level with the source, the deflected rays exiting the lens to form an off-axis beam.